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⑰ Inventor: Matsubara, Kenichi

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Room 804, 18-1, Yamadahi-gashi 3-chome
Suita-shi,
Osaka 565 (JP)

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Inventor: Okubo, Kousaku
11-26, Segawa 2-chome
Minoo-shi,
Osaka 562 (JP)

⑰ Applicant: Matsubara, Kenichi
Room 804, 18-1, Yamadahi-gashi 3-chome
Suita-shi,
Osaka 565 (JP)
Applicant: Okubo, Kousaku
11-26, Segawa 2-chome
Minoo-shi,
Osaka 562 (JP)

⑰ Representative: Vossius, Tilman et al
Dr. Volker Vossius,
Patent- und Rechtsanwaltskanzlei,
Holbeinstraße 5
D-81679 München (DE)

⑯ GENE SIGNATURE.

⑯ A 3'-directed cDNA library which accurately reflects the abundance ratio of mRNA in a cell has been prepared from various human tissues, and sequencing of the cDNAs contained in the library has been conducted to examine the incidence of each cDNA in each tissue. As each cDNA has expression information with each tissue corresponding to the mRNA concentration, these cDNAs are usable as a probe or primer for detecting cell anomaly or discriminating cells. The cloned gene can produce proteins utilizable as a medicine or the like.

5	SEQ ID NO:7844 SEQUENCE LENGTH:37 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: CTCGCTCGCC CATCCTATA CAGGCTCAGT TTTGTCT	37
10	SEQ ID NO:7845 SEQUENCE LENGTH:37 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: CTCGCTCGCC CATGTATAGG GACAGCATT CTGAGAG	37
15	SEQ ID NO:7846 SEQUENCE LENGTH:38 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: CTGGTTCGGC CCACCTCTGA AGGTTCCAGA ATCGATAG	38
20	SEQ ID NO:7847 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: CCAGGGTTTT CCCAGTCACG AC	22
25	SEQ ID NO:7848 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: TCACACAGGA AACAGCTATG AC	22
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50 **Claims**

1. A purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.

2. A DNA probe consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
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3. A DNA primer consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
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4. A purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
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20. 5. A DNA probe consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
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6. A DNA primer consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
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